

What is claimed is:

1. A stacked battery, comprising:

a sheet electrode including a collector; and
an electrolyte layer placed between the electrodes,
wherein an electrode stacked body is formed by stacking
the electrode and the electrolyte layer, and

the electrodes are placed on outermost layers of the
electrode stacked body in such a manner so that the collectors
are exposed to the outside of the stacked battery in the stacking
direction of the electrode stacked body and function as
terminals.

2. A stacked battery according to claim 1,

wherein the electrode is a bipolar electrode, in which
a positive electrode active material layer is formed on one
surface of the collector and a negative electrode active material
layer is formed on another surface of the collector, and

the stacked battery is a bipolar lithium-ion secondary
battery in which a plurality of the bipolar electrodes are stacked
in series sandwiching the electrolyte layer therebetween.

3. A stacked battery according to claim 2,

wherein the positive electrode active material includes
a composite oxide of lithium and transition metal, and the
negative electrode active material includes any one of a carbon

and the composite oxide of lithium and transition metal.

4. A stacked battery according to claim 1,
wherein the electrolyte layer includes a solid polymer.

5. An assembled battery, comprising:
a stacked battery having a sheet electrode including a collector, and an electrolyte layer placed between the electrodes,

wherein an electrode stacked body is formed by stacking the electrode and the electrolyte layer,

the electrodes are placed on outermost layers of the electrode stacked body in such a manner so that the collectors are exposed to the outside of the stacked battery in the stacking direction of the electrode stacked body and function as terminals, and

the stacked battery is connected in series.

6. An assembled battery, comprising:
a stacked battery having a sheet electrode including a collector, and an electrolyte layer placed between the electrodes,

wherein an electrode stacked body is formed by stacking the electrode and the electrolyte layer,

the electrodes are placed on outermost layers of the

electrode stacked body in such a manner so that the collectors are exposed to the outside of the stacked battery in the stacking direction of the electrode stacked body and function as terminals, and

a plurality of the stacked batteries are connected in parallel so that the stacked batteries are placed between two collecting plates, and a terminal functioning as the positive electrode of the stacked battery is connected to one of the collecting plates and a terminal functioning as the negative electrode of the same is connected to the other collecting plate.

7. A vehicle, comprising:

a stacked battery having a sheet electrode including a collector, and an electrolyte layer placed between the electrodes,

wherein an electrode stacked body is formed by stacking the electrode and the electrolyte layer,

the electrodes are placed on outermost layers of the electrode stacked body in such a manner so that the collectors are exposed to the outside of the stacked battery in the stacking direction of the electrode stacked body and function as terminals.